



Tell					
transmit33 and null33 and speed) and   8pdc20011231   comultislicarrierf() and (receiver with (glurality with demodulat33) and speed)   comultislicarrierf() and (receiver with (glurality with demodulat3) and speed)   comultislicarrierf() and (receiver with (glurality with demodulat3) and (process3 with speed)) and 8pdc20011231   comultislicarrierf() and (receiver with (glurality with demodulat3) and (process3 with speed)) and 8pdc20011231   comultislicarrierf() and (receiver with (glurality with demodulat3) and (glorocess3) with tones() and 8pdc20011231   comultislicarrierf() and (modulat3) and transmit33) with tones() and 8pdc20011231   comultislicarrierf() and (modulat3) and transmit33) with tones() and 8pdc20011231   comultislicarrierf() and (mull3) with select33 with tones() and 8pdc20011231   comultislicarrierf() and (mull3) with select33 with tones() and 8pdc20011231   comultislicarrierf() and (mull3) with (select33 with tones() and 8pdc20011231   comultislicarrierf() and (mull3) and (select33 with tones() corrierf() comultislicarrierf()	-	76			
DERMENT   CONTRICT					10:18
-					
				ł	
(plurality with demodulat33) and speed   and epdc20011231   ((OMT or multi\$1band3) or multi\$1tone\$1   USPAT; USP	-	24		, ·	
and mode color					10:19
-					
Cpurality with demodulat33) and (process33 with speed) and (pd<2001123)	-	6			
15   Senefit with fft and (receiver or demodulator)   SPAT;				1	11:43
15   benefit with fft and (receiver or demodulator)   15   15   15   15   15   15   15   1					
demodulator)		l	(process\$3 with speed)) and @pd<20011231		
Bed	-	15		1	
DERMENT   US-PGPUB;   14:56   14:56   15:07   15:07   15:07   16:15			demodulator;	1	14:56
S4	+				
US-PGPUB;   14:56   EBO; JPO; DERWENT   US-PGPUB;	1	[4	"5217506"		2002/11/26
Commutification   Commutific	-	] 34	3317396	1	
O ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$ltone\$l or multi\$lcarrier\$1) and (modulat\$3 and transmit\$3 with null\$3 with select\$3 with tone\$1) and @pd<20011231					14.56
O					
	_	_	((DMT or multi\$1hand\$1 or multi\$1tone\$1		2003/11/26
transmit\$3] with null\$3 with select\$3 with tone\$1) and \$qot<20011231 (DMT or multi\$1band\$1 or multi\$1tone\$1 (DFMENT USPAT; USPAT) (IDMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier\$1) and \$qot<20011231 (DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier\$1) and \$qot<20011231 (DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier\$1) and \$qot<20011231 (DFMENT USPAT; USPAGUAIL\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and \$qot<20011231 (DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier\$1) and (transmit\$4 or modulat\$3) and (mul1\$3 with (tone\$1 or carrier\$1 or path\$1))) and \$qot<20011231 (USPAT; USPAT; USPGUB, EPO; JPO; DERWENT USPAT; USPAGUB; EPO; JPO; DERWENT USPAT; USPAT	1	"	1 , ,		
With tone\$1) and @pd<20011231					
Commutatis   Description   Descr					
	_	0			2003/11/26
Select\$3 with tone\$1) and @pd<20011231   EPO; JPO; DERWENT or multi\$1band\$1 or multi\$1tone\$1   USPAT; USP					,,,
O	1			,	
or multi\$lcarrier\$1) and (null\$3 with   Select\$3 with tone\$1) or multi\$ltone\$1   1 ((DMT or multi\$lband\$1 or multi\$ltone\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or multi\$ltone\$1 or multi\$lcarrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or multi\$ltone\$1 or multi\$lcarrier\$1 or multi\$ltone\$1 or multi\$lcarrier\$1 or multi\$ltone\$1 or multi\$lcarrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   Select\$3 with (select\$3 with select\$3 with			*	DERWENT	
Select\$3 with tone\$1}) and @pd<20011231	-	0	((DMT or multi\$1band\$1 or multi\$1tone\$1	USPAT;	2003/11/26
-			or multi\$1carrier\$1) and (null\$3 with	US-PGPUB;	15:22
1	•		select\$3 with tone\$1)) and @pd<20011231	EPO; JPO;	
or multi\$lcarrier41) and (null\$3 with (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231  -		1		DERWENT	•
Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231	-	1		USPAT;	
Path\$1))) and @pd<20011231				· ·	15:26
- 88 "5633795"  - 64 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier41) and (null\$3 and (select\$3 with (tone\$l or multi\$ltone\$l or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 and (epd<20011231 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 and (select\$3 with (tone\$l or carrier\$l or path\$1))) and (epd<20011231 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 with ((tone\$l or carrier\$l or path\$1)))) and (pd<20011231 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 with ((tone\$l or carrier\$l or path\$1)))) and (pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or modulat\$3) and (generat\$3 with null\$3 with (tone\$l or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$1 or carrier\$l or path\$1))) and (pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or modulat\$3) and (generat\$3 with null\$3 with (tone\$l or carrier\$l or path\$1))) and (pd<20011231 (USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT USPAT; US-PG	-				
Service					/ /
EPO; JPO; DERWENT USPAT; US-PGPUB; 15:27  - 64 ((DMT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 US-PGPUB; 15:27  - 756 ((DMT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 US-PGPUB; 15:29  - 756 ((DMT or multi\$lband\$1 or multi\$ltone\$1 or modulat\$3) and (null\$3 and (select\$3 with (tone\$1 or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 US-PGPUB; 15:37  - 757 (DMT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (null\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 US-PGPUB; 16:19  - 757 (TOT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 US-PGPUB; 16:19  - 758 (TOT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (US-PGPUB; 16:19  - 759 (TOT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lband\$1 or mult		8	"5633795"	·	1
- 64 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 (UDMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (transmit\$4 or modulat\$3) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 (UDMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (transmit\$4 or modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1) or path\$1))) and @pd<20011231 (UDMT or multi\$lband\$l or multi\$ltone\$l or carrier\$1 or path\$1))) and @pd<20011231 (UDMT or multi\$lband\$l or multi\$ltone\$1 or multi\$lcarrier\$1 or multi\$ltone\$1 uspAT; uspAT; uspAT; uspeGpUB; lep0; JP0; DERWENT uspAT; u				1	15:24
- 64 ((DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (null\$3 and (select\$3 with (tone\$l or carrier\$l or modulat\$3) and (null\$3 and (select\$3 with (tone\$l or carrier\$l or path\$l))) and @pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (select\$3 with (tone\$l or carrier\$l or path\$l))) and @pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or modulat\$3) and (null\$3 with (tone\$l or carrier\$l or path\$l))) and @pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or modulat\$3) and (null\$3 with (tone\$l or carrier\$l or path\$l))) and @pd<20011231 (DMT or multi\$lband\$l or multi\$ltone\$l or multi\$lcarrier4l) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$l or multi\$lcarrier4l) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$l or carrier\$l or path\$1))) and @pd<20011231 (US-PGPUB; EPO; JPO; DERWENT (US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; E					
Or multi\$lcarrier41) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231	1_	64	//DMT or multi\$1band\$1 or multi\$1tone\$1	· ·	2003/11/26
Select\$3 with (tone\$1 or carrier\$1 or path\$1))) and @pd<20011231   USPAT; USP	İ	01	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · ·	
DERWENT   COMMITTEE   COMMIT				,	10.27
The state of the					
or multi\$lcarrier41) and( transmit\$4 or modulat\$3) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and epd<20011231  (DMT or multi\$lband\$1 or multi\$ltone\$1 or modulat\$3) and (null\$3 with (tone\$1 or carrier\$1 or path\$1))) and epd<20011231  (DMT or multi\$lband\$1 or multi\$ltone\$1 or modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and epd<20011231  (DMT or multi\$lband\$1 or multi\$ltone\$1 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1)))) and epd<20011231  (tone\$1 or carrier\$1 or path\$1))) and epd<20011231  (tone\$1 or carrier\$1 or path\$1))) and epd<20011231  15 "400505"  USPAT; USPA	_	56			2003/11/26
modulat\$3) and (null\$3 and (select\$3 with (tone\$1 or carrier\$1 or path\$1))) and (epd<20011231)	•				
- 39 (@pd<20011231 ((DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier41) and (transmit\$4 or modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 ((DMT or multi\$1band\$1 or multi\$1tone\$1 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231	1				<u>'</u>
- 39 ((DMT or multi\$lband\$1 or multi\$ltone\$1 or multi\$lcarrier41) and( transmit\$4 or modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1 or multi\$lband\$1 or multi\$ltone\$1 USPAT; (DMT or multi\$lband\$1 or multi\$ltone\$1 USPAT; (1003/11/26 or multi\$lcarrier41) and( transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and epd<20011231  - 15 "400505" USPAT; USP				DERWENT	
or multi\$1carrier41) and (transmit\$4 or modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 ((DMT or multi\$1band\$1 or multi\$1tone\$1 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 "400505"  - 15 "6148024"  - 3 "6148024"  - 38 "4005054"    US-PGPUB; EPO; JPO; DERWENT USPAT; USPA			@pd<20011231		
modulat\$3) and (null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231 ((DMT or multi\$1band\$1 or multi\$1tone\$1 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1))) and @pd<20011231  - 15 "400505"  - 3 "6148024"  - 38 "4005054"	-	39			
- 6 (DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier41) and (transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$1 or carrier\$1 or path\$1))) and (bpd<20011231)  - 15 "400505"  - 3 "6148024"  - 38 "4005054"  Carrier\$1 or path\$1))) and (bpd<20011231 USPAT; U					15:37
- 6 ((DMT or multi\$1band\$1 or multi\$1tone\$1 or multi\$1carrier41) and( transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with (tone\$1 or carrier\$1 or path\$1))) and (pd<20011231  - 15 "400505"  - 3 "6148024"  - 3 "6048024"  - 38 "4005054"  - 40 "40 "40 "40 "40 "40 "40 "40 "40 "40	ŀ				
or multi\$1carrier41) and( transmit\$4 or modulat\$3) and (generat\$3 with null\$3 with ((tone\$1 or carrier\$1 or path\$1)))) and (pd<20011231 "400505" USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; USPAT; USPAT; USPAT; US-PGPUB; EPO; USPAT; US					
modulat\$3) and (generat\$3 with null\$3 with (tone\$1 or carrier\$1 or path\$1))) and (pd<20011231 "400505" USPAT; USPA	-	6			
((tone\$1 or carrier\$1 or path\$1))) and		1			16:19
- 15 "400505" USPAT; 2003/11/26 USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; USPAT; US-PGPUB; EPO; JPO; USPAT; US-PGPUB; EPO; JPO;					
- 15 "400505" USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; EPO; JPO;				DERWENT	
US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/11/26 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; USPO;	1_	10		ttenam.	2002/11/26
EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT	-	15	100000		
DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EVO; JPO; USPAT; US-PGPUB; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO;					13.31
- 3 "6148024" USPAT; 2003/11/26 15:49		·			
US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; L6:15 EPO; JPO; DEPO; JPO;	-	3	"6148024"		2003/11/26
EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;					
DERWENT USPAT; US-PGPUB; EPO; JPO;					• • •
- 38 "4005054" USPAT; 2003/11/26 US-PGPUB; EPO; JPO;					
US-PGPUB; 16:15 EPO; JPO;	-	38	"4005054"		2003/11/26
				•	16:15
DERWENT					
				DERWENT	





-	0	"004005054"	USPAT;	2003/11/26
			US-PGPUB;	16:15
		,	EPO; JPO;	
			DERWENT	
-	1	"00400505"	USPAT;	2003/11/26
			US-PGPUB;	16:15
			EPO; JPO;	
			DERWENT	
-	1	"00400505.4"	USPAT;	2003/11/26
			US-PGPUB;	16:16
İ		•	EPO; JPO;	
İ			DERWENT	
-	30	((DMT or multi\$1band\$1 or multi\$1tone\$1	USPAT;	2003/11/26
		or multi\$1carrier41) and( transmit\$4 or	US-PGPUB;	16:44
1		<pre>modulat\$3)and (generat\$3 with null\$3 ))</pre>	EPO; JPO;	İ
		and @pd<20011231	DERWENT	
-	30		USPAT;	2003/11/26
		or multi\$1carrier41) and( transmit\$4 or	US-PGPUB;	16:45
		modulat\$3) and (generat\$3 with (null\$3 or	EPO; JPO;	
		NUL))) and @pd<20011231	DERWENT	
-	34	,,	USPAT;	2003/11/26
		or multi\$1carrier41) and( transmit\$4 or	US-PGPUB;	16:45
		modulat\$3) with (null\$3 or NUL)) and	EPO; JPO;	
		@pd<20011231	DERWENT	